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	5 April 1963	
MEMORANDUM FOR THE RECORD	814	ī
SUBJECT: Conference of 1 April 1963 held at the	Project Tile (Nata Black	25X1 Boake
l. A discussion was held at the possible design and fabrication of a Data Block Reade attendance were	offices concerning the by this company. In of NPIC and Messrs.	25X1 25X1 25X1
2. For the initial readout from the data block, deck had been contemplated. The rate of production of 50 cards per minute. This was considered entirely to FMA suggested the addition of a core buffer to increa readout for a variety of systems output. The reader limiting factor but the punch tape or card deck system will not be considered for our use. The most feasible combination of the CMR with a core buffer added. The cabinets would be 10" wide X 32" deep X 5' in height. sary. The film transport system would be similar to the "Flying Spot Scanner." A scratch test made by Westove or frilling of the film on any type that was used in the to include a constant tension device to prevent film afilm be metered accurately as in the Westover instruments that roll film up to $9\frac{1}{2}$ " be used, and that a dignesset and a polarity reversal capability be included in	f this system was about o slow for our purposes. se the capability of the capability is not the ms are. These two systems a system seems to be a probable size of the Two units would be necesthat used by the Westover er produced no scratches the test. It is necessary slippage in order that ent. Additional requirest counter with manual in the Data Block Reader.	:-
3. The Westover instrument is now capable of reamil centers but could be modified, according to time which would actually extend into a couple of montincorporated in the original instrument. For example, could read the data block of the panoramic frame but no camera. This would necessitate the modification of the twould seem that each instrument can be modified, but readout appoint the contract of the panoramic frame and the contract of the could be modified.	over a period of the due to the limitations the modified reader of the linder	
easy to design a new instrument incorporating circuitr a wide variety of film recorded data by using "plug-in would be to modify the Westover "Flying Spot Scanner." to be done in this matter since a talk with	that it would be just as y capable of accepting " reader heads as it Further research has	25X1 25X1
revealed that he was under the impression that the West capability for readout from various systems.	otetod +ho+ 177	25X1
4. During the discussion with a question was	brought up by	25X1

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the scan rate of the instrument, makes it extremely difficult for the reader to distinguish between the bits and the spaces between bits. If there were any blossoming of the bits so that the density of the bit and the space between bits were almost equal, a continuous reading of one bit without the recording of the other bit would result. Two solutions were proposed:

- a. That the bit diameter be reduced by approximately 30% to insure definite separation and improve the accuracy of the readout and,
- b. That each bit could be scanned four or five times across its diameter so that the largest diameter or a predetermined bit distance measurement would activate the readout of each bit. This method would reduce accuracy of the readout especially if all bit centers were not perfectly alinged.

5. In conclusion, two problems in addition to those already apparent added to this project. One, is the Westover Flying Spot Scanner capable of readout of any system and two, can there be a reduction in size of the paneralic data block of the KH-6 system? The first will I hope be resolved by and the second would necessarily have be brought up at this time.	f a axe
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Development Branch, P&DS

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